

IN THE CLAIMS:

Please amend the claims as follows.

1. (currently amended) An expandable reaming tool comprising:
at least two reamer pads operatively coupled to a tool body and ~~adapted~~
configured to be displaced between a retracted position and an
expanded position;
at least one spiral blade formed on at least one of the at least two reamer
pads; and
a plurality of cutting elements disposed on the at least one spiral blade.
2. (original) The expandable reaming tool of claim 1, wherein the plurality of
cutting elements comprise at least one of polycrystalline diamond inserts,
tungsten carbide inserts, and boron nitride inserts.
3. (original) The expandable reaming tool of claim 1, further comprising at
least one gage protection element disposed on a gage surface of the at least
one spiral blade.
4. (original) The expandable reaming tool of claim 3, wherein the at least one
gage protection element comprises at least one of a thermally stabilized
polycrystalline insert and a polycrystalline diamond insert.
5. (original) The expandable reaming tool of claim 1, further comprising a
vibration damping insert disposed on the at least one spiral blade.
6. (original) The expandable reaming tool of claim 1, wherein the plurality of
cutting elements are arranged so as to substantially balance axial forces
between the at least two reamer pads.

7. (original) The expandable reaming tool of claim 1, wherein the plurality of cutting elements are arranged so that a net lateral force acting on the at least two reamer pads is substantially zero.
8. (currently amended) The expandable reaming tool of claim 1, wherein the at least two reamer pads and the plurality of cutting elements are ~~adapted~~ configured to backream a formation in a wellbore.
9. (original) The expandable reaming tool of claim 1, wherein the plurality of cutting elements are arranged to form a tapered cutting structure.
10. (original) The expandable reaming tool of claim 1, wherein the plurality of cutting elements have backrake angles of greater than 20 degrees.
11. (original) The expandable reaming tool of claim 1, wherein selected ones of the plurality of cutting elements have different backrake angles than other ones of the plurality of cutting elements.
12. (original) The expandable reaming tool of claim 1, wherein each of the plurality of cutting elements has a diameter of less than 13.0 mm or greater than 13.0 mm.
13. (original) The expandable reaming tool of claim 1, wherein selected ones of the plurality of cutting elements disposed on one of the at least two reamer pads are positioned so as to form a redundant cutting arrangement with other selected ones of the plurality of cutting elements disposed on a different one of the at least two reamer pads.
14. (original) The expandable reaming tool of claim 1, wherein the at least two reamer pads and the plurality of cutting elements are adapted to substantially mass balance the expandable reaming tool about an axis of rotation of the reaming tool.

15. (original) The expandable reaming tool of claim 1, wherein the at least two reamer pads and the at least one spiral blade are formed from a non-magnetic material.
16. (original) The expandable reaming tool of claim 1, wherein the at least two reamer pads and the at least one spiral blade are formed from a matrix material infiltrated with a binder alloy.
17. (original) The expandable reaming tool of claim 1, wherein surfaces of the at least one spiral blade proximate the plurality of cutting elements are shaped so that a cutting element exposure is equal to at least half of a diameter of the cutting element.
18. (original) The expandable reaming tool of claim 1, wherein a perpendicular distance measured from a surface of the at least two reamer pads to an outermost extent of a gage cutting element disposed on the at least one spiral blade is equal to at least twice a diameter of the gage cutting element.
19. (original) The expandable reaming tool of claim 1, wherein a gage surface of the at least one spiral blade comprises a hardfacing material.
20. (original) The expandable reaming tool of claim 1, wherein a gage surface of the at least one spiral blade is formed from a diamond impregnated material.
- 21-200. (cancelled)